Application of the Joint Capabilities Integration and Development System (JCIDS) in Small Arms Programs

Presented
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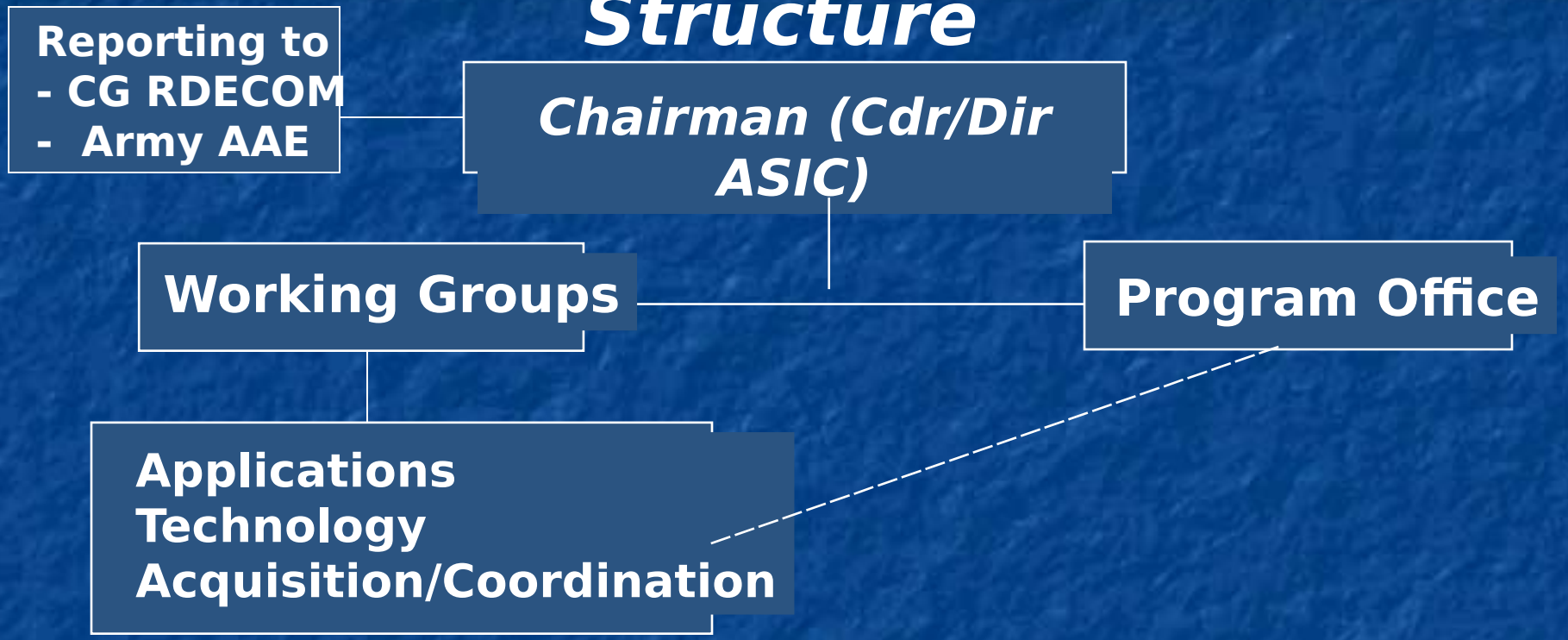
JSSAP Management Structure



* *Principal Members*

Army Navy Air Force Marines Coast Guard SOC

Members of the Applications Working Group (AWG)

MAJ Kevin Finch – USAIC

Mr. Kevin McConnell – USMC

Mr. Jerry Gaskil – USN

MSgt Edward Sparrowgrove – USAF

Mr. Bill Cardenas - SOCOM

GMCS Chris Graham – USCG

Mr. Walt Gadomski – PM Soldier Weapons

Mr. Tim Fox – Joint NL Weapons Directorate

AWG TASKS

- Assist with the review/update of the JSSAMP
- Harmonization of Requirements
- Harmonization of Testing

JCIDS

JCIDS implements an *integrated, collaborative process*, based on top-level strategic direction, to guide development of new capabilities, either materiel or change in doctrine, organization, training, logistics, personnel, or facilities (DOTLPF)

JCIDS change recommendations are developed and evaluated in consideration of how to optimize the joint force's ability to operate as an integrated force

JCIDS vs RGS

RGS

- Requirements developed bottom-up
- JROC for ACATI/IA
- Self-policing for coordination
- Duplication existed, particularly in smaller programs
- Joint warfighting needs not prioritize

JCIDS

- Enhanced methodology to identify and describe capability gaps
- Documents are screened for joint applicability regardless of ACAT
- Engage the acquisition community early
- Improves coordination with other departments and agencies

JCIDS Process Documentation

Old RGS Terminology

- Mission Need Statement
  - MNS
  - Acquisition milestone A
- Operational Requirement Document
  - ORD
  - Acquisition milestone B & C

New JCIDS Terminology

- Initial Capability Document
  - ICD
  - Acquisition milestone A
- Capability Development Document
  - CDD
  - Acquisition milestone B
- Capability Production Document
  - CPD
  - Acquisition milestone C

JCIDS Analysis

- Functional Area Analysis (FAA)
  - Identify operational task, conditions, and standards needed to achieve military objectives
  - Result: Tasks to be accomplished
- Functional Needs Analysis (FNA)
  - Assess ability of current and programmed capabilities to accomplish the tasks that the FAA identified
  - Result: List of capability gaps

JCIDS Analysis

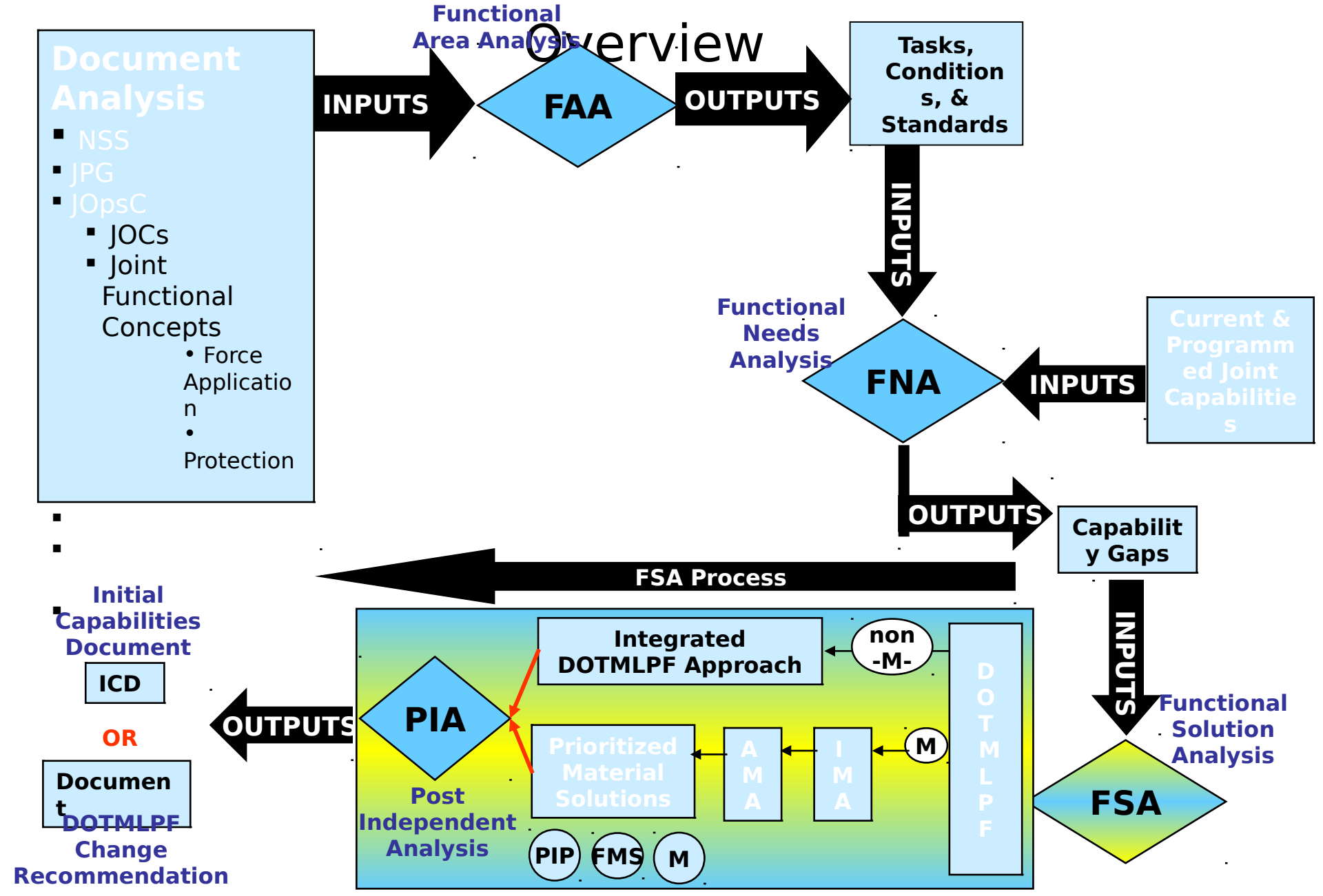
- Functional Solutions Analysis (FSA)
  - Operational based assessment of existing joint force operation and doctrine, organization, training, materiel, leadership/education, personnel, and facilities (DOTMLPF) capabilities/deficiencies
  - Result: Potential integrated DOTMLPF approaches to capability gaps
- Post Independent Analysis (PIA)
  - Independent analysis of approaches that best address the joint capability gap.
  - Result: Initial Capabilities Document

JSSAP-JCIDS

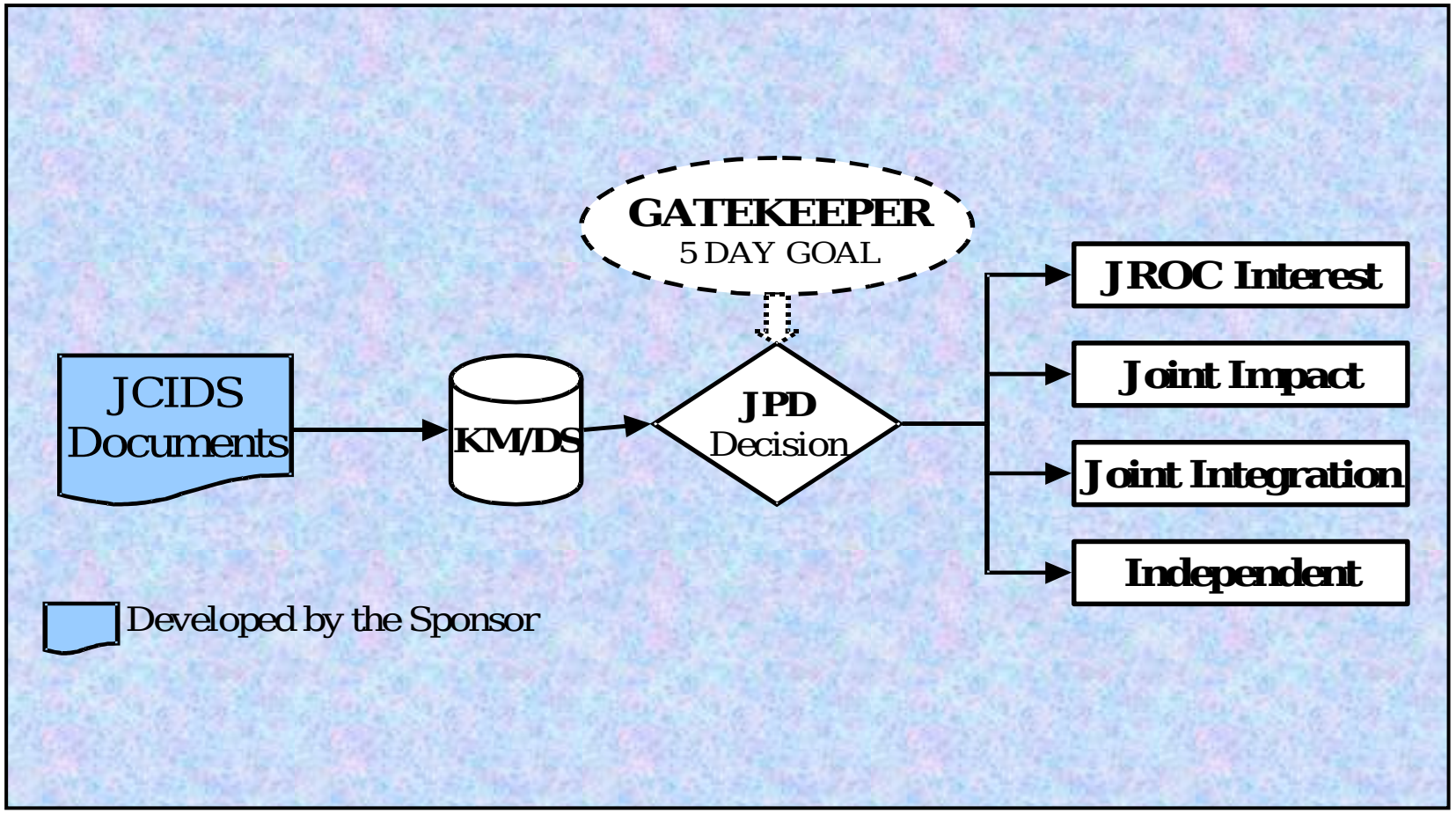
- JSSAP is currently sponsoring two analytical efforts:
  - An 11-month JCIDS analysis that will produce an FAA/FNA/FSA for joint Small Arms capabilities in accordance with National Defense Strategies.
  - An Accelerated “Splinter” effort to conduct an FAA/FNA/FSA for individual weapons capabilities for the near term (8 years) in support of CCD for OICW Increment 1
- American System Corporation (ASC) has been selected to assist the AWG with this effort
- This analysis will establish the analytical underpinnings for all of our small arms requirement documents.

Joint Small Arms Capability-Based Analysis

Overview



JCIDS PROCESS
Validation and Approval



Joint Potential Designator (JPD)

- JROC Interest
  - All ACAT I/IA, and DOTMLPF change proposals
  - JROC validates and approves
- Joint Impact*
  - Any ACAT II and below program with significant impact on joint warfighting
  - FCB Validates, sponsor approves
- Joint Integration
  - Any ACAT II and below program without significant joint impact
  - Sponsor validates and approves
- Independent
  - Any program not meeting the above criteria
  - Sponsor validates and approves

* Joint Impact will be eliminated in next revision of JCIDS guida

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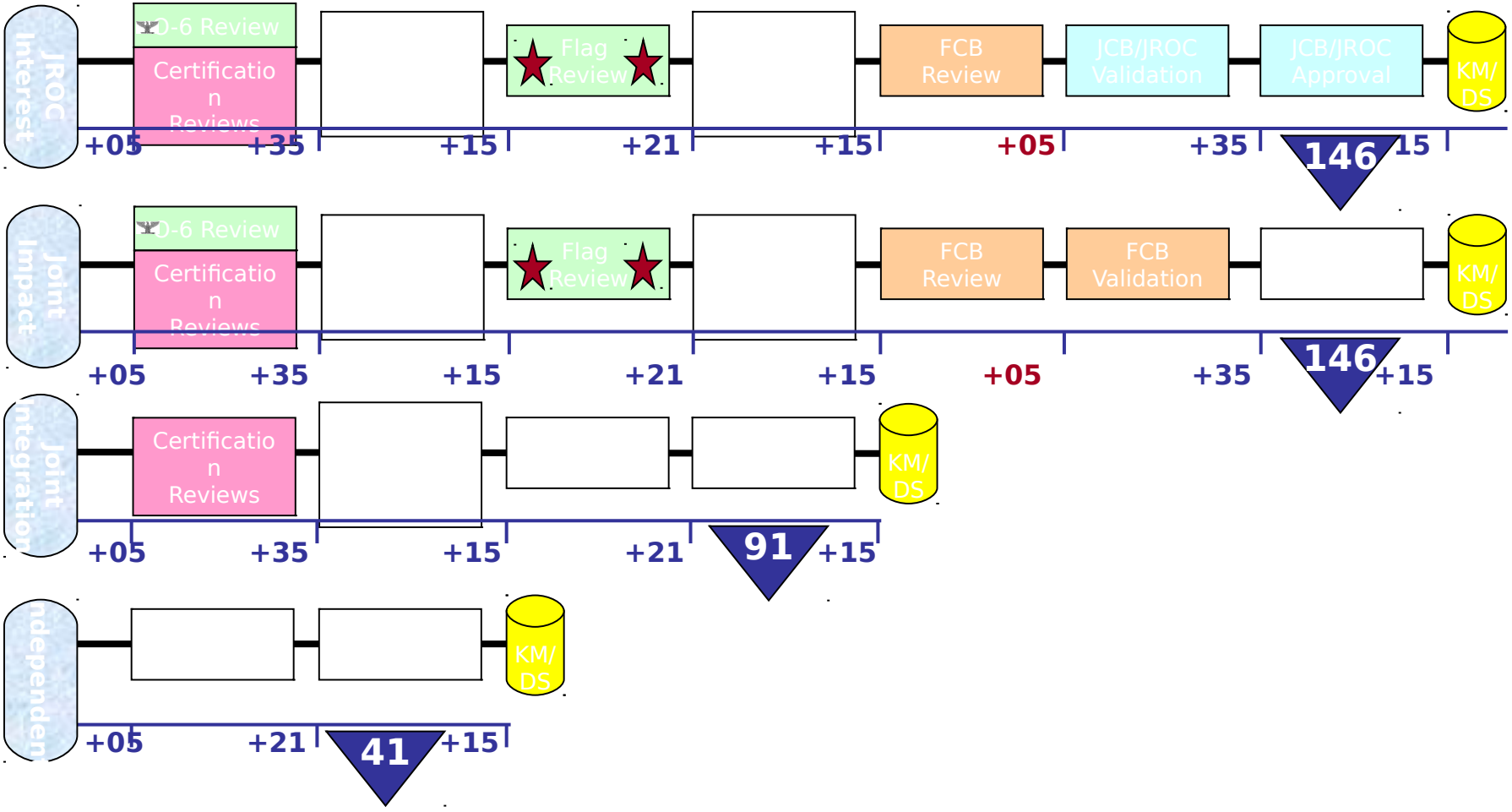

In Conclusion

- The AWG is acting on previous JSSAP Management Committee direction regarding harmonization of requirements
- FAA/FNA/FSA for individual weapons report will be completed on 6 July 2004
- The Joint overarching FAA/FNA report will be completed on 7 February 2004